

Pokemon

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24/8/2020

Pokemon (python a R)

```
import pandas as pd
```

```
pokemon = pd.read_csv("./data/Pokemon.csv")  
print(pokemon.head())
```

```
##           Name Type 1 Type 2 ... Speed Generation Legendary  
## 0      Bulbasaur  Grass Poison ...   45           1      False  
## 1         Ivysaur  Grass Poison ...   60           1      False  
## 2         Venusaur  Grass Poison ...   80           1      False  
## 3  VenusaurMega Venusaur  Grass Poison ...   80           1      False  
## 4         Charmander  Fire    NaN ...   65           1      False  
##  
## [5 rows x 12 columns]
```

```
print(pokemon.shape)
```

```
## (800, 12)
```

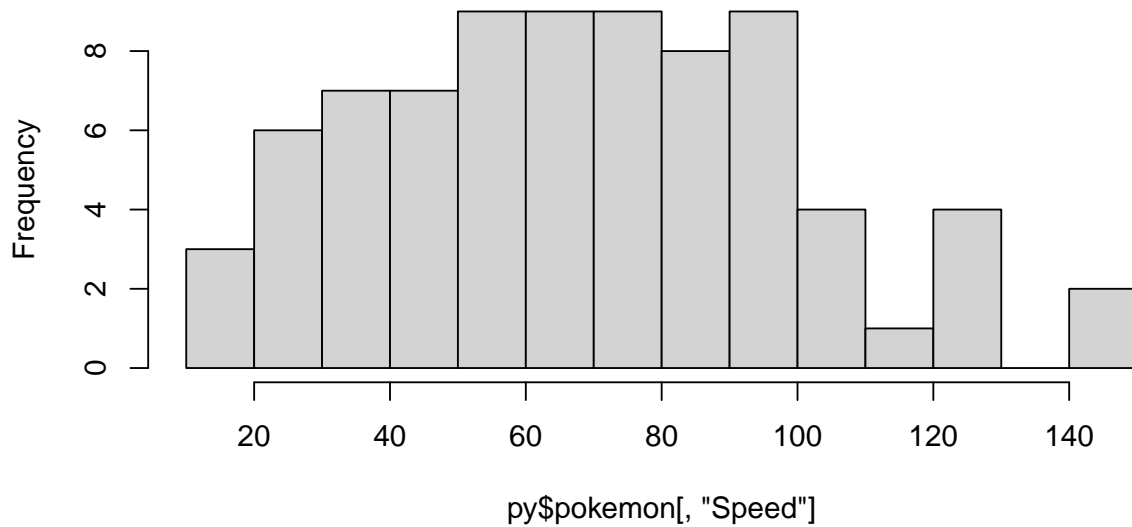
```
pokemon = pokemon[pokemon["Generation"]==1]  
pokemon = pokemon[["Type 1", "Type 2", "Speed"]]  
pokemon = pokemon.dropna() #Limpieza de Registros NA  
print(pokemon.shape)
```

```
## (78, 3)
```

Transmision de los datos de python a R

```
hist(py$pokemon[, "Speed"], breaks = 10, main="Velocidad de los pokemon")
```

Velocidad de los pokemon



Pokemon (de R a Python)

```
pokemon2<- read.csv("data/Pokemon.csv", header = TRUE)
head(pokemon2)
```

```
##           Name Type.1 Type.2 Total HP Attack Defense Sp_Atk Sp_Def
## 1      Bulbasaur  Grass Poison  318 45    49    49    65    65
## 2        Ivysaur  Grass Poison  405 60    62    63    80    80
## 3        Venusaur  Grass Poison  525 80    82    83   100   100
## 4 VenusaurMega Venusaur  Grass Poison  625 80   100   123   122   120
## 5      Charmander   Fire         309 39    52    43    60    50
## 6     Charmeleon   Fire         405 58    64    58    80    65
##  Speed Generation Legendary
## 1      45          1      False
## 2      60          1      False
## 3      80          1      False
## 4      80          1      False
## 5      65          1      False
## 6      80          1      False
```

```
library(tidyverse)
```

```
## -- Attaching packages ----- tidyverse 1.3.0 --
```

```
## v ggplot2 3.3.0    v purrr  0.3.4
## v tibble  3.0.1    v dplyr  0.8.5
## v tidyr   1.0.3    v stringr 1.4.0
## v readr   1.3.1    v forcats 0.5.0
```

```
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag() masks stats::lag()
```

```
pokemon2 <- pokemon2 %>%
  filter(Generation == 1) %>%
  select("Type.1", "Type.2", "Speed") %>%
  na.omit()
summary(pokemon2)
```

```
##      Type.1      Type.2      Speed
## Length:166      Length:166      Min.   : 15.00
## Class :character Class :character 1st Qu.: 50.00
## Mode  :character Mode  :character Median  : 70.00
##                                     Mean   : 72.58
##                                     3rd Qu.: 92.25
##                                     Max.   :150.00
```